

AMENDMENTS TO THE CLAIMS

Please cancel claims 25-33, 41, 48-50, 57-58, 73, 78, 83, 95-98, amend claims 34, 35, 40, 59, 62, 66 and 88.

A detailed listing of all claims that are, or were, in the application is presented, as required by the Revised Format. The Revised Format states that "no separate 'clean' version [of the claims] be submitted ... as this requirement has been eliminated."

1.-33. (Cancelled)

~~34.~~ (Currently Amended) An ~~electro-kinetic air transporter~~-conditioner system, comprising:

an upstanding, elongated housing having an air inlet vent, and an air outlet vent; and

an ion generating unit positioned in said housing, ~~said ion generating unit causing air to flow~~

~~from the air inlet vent to the outlet vent; and~~

wherein said ion generating unit includes a first ion emitter electrode and a second particle collector electrode, and wherein said second particle collector electrode is a hollow ~~electrodes~~ electrode that is vertically removable from the housing through an opening in an upper portion of said housing to thereby allow an exposed surface of said second electrode to be cleaned, and is vertically returnable to the housing through the opening in the upper portion of said housing such that gravity will assist with return of the second electrode.

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~~26~~ 35. (Currently Amended) The system of claim ~~34~~ wherein said hollow second collector electrode is ~~electrodes are~~ U-shaped.

~~2~~ 36. (Previously Added) The system of claim ~~34~~ wherein said first electrode is a wire.

~~3~~ 37. (Previously Added) The system of claim ~~34~~ wherein said first electrode is a wire and said second electrode is U-shaped.

~~4~~ 38. (Previously Added) The system of claim ~~34~~ wherein said second collector electrode includes a plurality of elongated fins extending along the elongated housing.

~~5~~ 39. (Previously Added) The system of claim ~~34~~ wherein said ion generating unit includes a high voltage pulse generator.

~~38~~ 40. (Currently Amended) An ~~electro-kinetic air transporter~~-conditioner system, comprising:
an upstanding, elongated housing having an air inlet vent, and an air outlet vent; and
an ion generating unit positioned in said housing, ~~said ion generating unit causing air to flow from the air inlet vent to the outlet vent; and~~
wherein said ion generating unit includes a first ion emitter electrode ~~and wherein said first ion emitter electrode~~ that is wire shaped, and a second particle collector electrode ~~and wherein said second~~


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~~particle collector electrode~~ that is a hollow U-shaped electrode;

wherein said first wire shaped ion emitter electrode is located adjacent to the air inlet vent
and the second ~~particle collector electrode~~ is located adjacent to the air outlet vent; and

wherein said second hollow U-shaped electrode is vertically removable from the housing
through an opening in an upper portion of said housing to thereby allow an exposed surface of said second
electrode to be cleaned, and is vertically returnable to the housing through the opening in the upper portion
of the housing such that gravity will assist with return of the second electrode.

41. (Cancelled)

 ¹⁸
42. (Previously Added) The system of claim ¹~~34~~ wherein said air inlet vent is covered with
horizontal louvers and said air outlet vent is covered with horizontal louvers.

³⁹
43. (Previously Added) The system of claim ³⁸~~40~~ wherein said air inlet vent is covered with
horizontal louvers and said air outlet vent is covered with horizontal louvers.

⁴⁰
44. (Previously Added) The system of claim ³⁸~~40~~ wherein said second collector electrode has
a plurality of elongated fins extending along the elongated housing.

⁶
45. (Previously Added) The system of claim ¹~~34~~ wherein said second collector electrode

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includes a plurality of hollow electrodes.

~~17~~
~~46.~~ (Previously Added) The system of claim ~~34~~ wherein said second collector electrode includes a plurality of hollow U-shaped electrodes.

~~41~~
~~47.~~ (Previously Added) The system of claim ~~40~~ wherein said second collector electrode includes a plurality of hollow U-shaped electrodes.

48.-50. (Cancelled)

~~8~~
~~51.~~ (Previously Added) The system of claim ~~34~~ wherein said second particle collector electrode is removable, and said housing has a top and wherein said second particle collector electrode is removable from said housing through said top.

~~10~~
~~52.~~ (Previously Added) The system of claim ~~34~~ including a user control, and wherein said housing has a top portion and said user control is located on said top.

~~9~~
~~53.~~ (Previously Added) The system of claim ~~51~~ including a user control located on said top.

~~42~~
~~54.~~ (Previously Added) The system of claim ~~40~~ wherein said second particle collector

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electrode is removable, and said housing has a top and wherein said second particle collector electrode is removable from said housing through said top.

43
~~55.~~

38

(Previously Added) The system of claim ~~40~~ including a user control, and wherein said housing has a top portion and said user control is located on said top.

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~~56.~~

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(Previously Added) The system of claim ~~55~~ including a user control located on said top.

57.-58. (Cancelled)

52
~~59.~~

(Currently Amended) An ~~electro-kinetic air transporter~~-conditioner system comprising:
an upstanding, elongated housing having a top; and
an ion generating unit positioned in said housing, said ion generating unit having a first electrode and a second hollow removable electrode, wherein said second removable electrode is removable through said top of said housing and returnable through said top of said housing such that gravity will assist with return of the second electrode.

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~~60.~~

26

(Previously Added) The system of claim ~~35~~ including a user control located on said top of said housing.

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³²
~~61.~~ (Previously Added) The system of claim ~~35~~²⁴ including an air inlet vent and an air outlet vent, with the first electrode located adjacent the air inlet vent and the second removable electrode located adjacent the air outlet vent.

³³
~~62.~~ (Currently Amended) The system of ~~35~~²⁴ wherein a user-liftable handle is attached to the second removable electrode and said ~~use-liftable~~ user-liftable handle extends from the top of said housing.

³⁴
~~63.~~ (Previously Added) The system of claim ~~35~~²⁴ wherein said second removable electrode is elongated along a direction of said elongated housing.

³⁵
~~64.~~ (Previously Added) The system of claim ~~35~~²⁴ wherein said second removable electrode is elongated and about the same length as said elongated housing.

³⁶
~~65.~~ (Previously Added) The system of claim ~~35~~²⁴ wherein said second removable electrode is at least partially removable from the top of said housing for cleaning.

⁵⁵
~~66.~~ (Currently Amended) An ~~electro-kinetic air transporter~~-conditioner system comprising:
an upstanding, elongated housing; and
an ion generating unit positioned in said housing, said ion generating unit having a first electrode and a second hollow removable electrode, wherein said second removable electrode is vertically

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removable from said housing for cleaning, and wherein said second electrode is vertically returnable to said housing such that gravity will assist with return of the second electrode.

¹⁹
~~67.~~ (Previously Added) The system of claim ~~42~~¹⁸ including a user control located adjacent to where said second removable electrode is removable from said housing.

²⁰
~~68.~~ (Previously Added) The system of claim ~~42~~¹⁸ including an air inlet vent and an air outlet vent, with the first electrode located adjacent the air inlet vent and the second removable electrode located adjacent the air outlet vent.

⁶²
²¹
~~69.~~ (Previously Added) The system of ~~42~~¹⁸ wherein a user handle is attached to the second removable electrode and said use handle is for removing said second removable electrode from said housing.

²²
~~70.~~ (Previously Added) The system of claim ~~42~~¹⁸ wherein said second removable electrode is elongated along a direction of said elongated housing.

²³
~~71.~~ (Previously Added) The system of claim ~~42~~¹⁸ wherein said second removable electrode is elongated and about the same length as said elongated housing.

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²⁴
~~72.~~ (Previously Added) The system of claim ~~42~~¹⁸ wherein said second removable electrode is at least partially removable from said housing for cleaning.

[73. (Cancelled)

¹¹
~~74.~~ (Previously Added) The system of claim ~~34~~¹ wherein said inlet vent and said outlet vents are elongated along a length of said elongated housing.

⁶² ⁴⁵
~~75.~~ (Previously Added) The system of claim ~~40~~³⁸ wherein said inlet vent and said outlet vents are elongated along a length of said elongated housing.

³⁷
~~76.~~ (Previously Added) The system of claim ~~35~~²⁴ wherein said housing includes an air inlet vent and an air outlet vent and wherein said inlet vent and said outlet vents are elongated along a length of said elongated housing.

²⁵
~~77.~~ (Previously Added) The system of claim ~~42~~¹⁸ wherein said housing includes an air inlet vent and an air outlet vent and wherein said inlet vent and said outlet vents are elongated along a length of said elongated housing.

[78. (Cancelled)

~~17~~
~~79.~~ (Previously Added) The system of claim ~~34~~¹ wherein said air inlet vent and said air outlet vent have horizontal louvers.

~~46~~
~~80.~~ (Previously Added) The system of claim ~~40~~³⁸ wherein said air inlet vent and said air outlet vent have horizontal louvers.

~~53~~
~~81.~~ (Previously Added) The system of claim ~~59~~⁵² wherein said housing includes an air inlet vent and an air outlet vent, and said air inlet vent and said air outlet vent have horizontal louvers.

~~62~~
~~82.~~ (Previously Added) The system of claim ~~66~~⁵⁵ wherein said housing includes an air inlet vent and an air outlet vent, and said air inlet vent and said air outlet vent have horizontal louvers.

[
83. (Cancelled)

~~13~~
~~84.~~ (Previously Added) The system of claim ~~34~~¹ wherein said housing has a cross-section in the shape of a figure eight.

~~47~~
~~85.~~ (Previously Added) The system of claim ~~40~~³⁸ wherein said housing has a cross-section in the shape of a figure eight.

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⁵⁴
~~86.~~ (Previously Added) The system of claim ⁵²~~59~~ wherein said housing has a cross-section in the shape of a figure eight.

⁵⁷
~~87.~~ (Previously Added) The system of claim ⁵⁵~~66~~ wherein said housing has a cross-section in the shape of a figure eight.

⁶²
~~88.~~ (Currently Amended) An ~~electro-kinetic air transporter~~-conditioner system comprising:
an upstanding, elongated housing with a top and an air inlet vent and an air outlet vent;
said air inlet vent is elongate along a direction of elongation of said housing;
said air outlet vent is elongate along the direction of elongation of said housing;
an ion generating unit positioned in said housing, said ion generating unit having a first emitter electrode and a second removable collector electrode;

said second removable collector electrode is ~~elongate~~ elongated along the direction of elongation of said housing and is removable through the top of said housing, said second removable collector electrode further returnable through the top of said housing such that gravity will assist with return of the second removable collector electrode;

a user-liftable handle secured to an upper portion of the second removable collector electrode ~~electrodes and located on the top of said housing~~, said user-liftable handle accessible near the top of said housing to provide a user with a way to ~~can lift~~ said second removable collector electrode from said housing without directly touching said second removable collector electrode; and

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a user operated control located on the top of said housing.

~~63~~
89. (Previously Added) The system of claim ~~88~~ wherein said air inlet vent has a plurality of louvers that are directed across the direction of elongation of said housing; and

said air outlet vent has a plurality of louvers that are directed across the direction of elongation of said housing.

~~62~~ ~~64~~
90. (Previously Added) The system of claim ~~88~~ wherein said second removable collector electrode is hollow.

~~65~~ ~~67~~
91. (Previously Added) The system of claim ~~88~~ wherein said second removable collector electrode is U-shaped.

~~64~~ ~~67~~
92. (Previously Added) The system of claim ~~88~~ wherein said second removable collector electrode is located adjacent to the air outlet vent.

~~67~~ ~~67~~
93. (Previously Added) The system of claim ~~88~~ including a trailing electrode located between said second removable collector electrode and said air outlet vent.

~~64~~ ~~67~~
94. (Previously Added) The system of claim ~~88~~ wherein said housing has a cross-section that

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is substantially a figure eight.

[95.-98. (Cancelled)

¹⁴
~~99.~~ (Previously Added) The system of claim ~~34~~¹ including a user control that can do at least one of (1) cause the system to be energized, (2) control a duty cycle of the ion generating unit, (3) control a pulse mode operation.

¹⁶
~~100.~~ (Previously Added) The system of claim ~~34~~¹ including user controls that can (1) cause the system to be energized, (2) control a duty cycle of the ion generating unit, (3) control a pulse mode operation.

¹⁵
~~101.~~ (Previously Added) The system of claim ~~99~~¹⁴ wherein the pulse mode control can initiate a burst of output ozone.

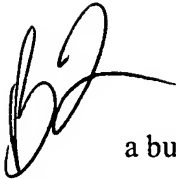
¹⁷
~~102.~~ (Previously Added) The system of claim ~~100~~¹⁶ wherein the pulse mode control can initiate a burst of output ozone.

⁴⁸
~~103.~~ (Previously Added) The system of claim ~~40~~³⁸ including a user control that can do at least one of (1) cause the system to be energized, (2) control a duty cycle of the ion generating unit, (3) control a

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pulse mode operation.

³⁰
~~104~~. (Previously Added) The system of claim ~~40~~³⁸ including user controls that can (1) cause the system to be energized, (2) control a duty cycle of the ion generating unit, (3) control a pulse mode operation.

 ⁴⁹
~~105~~. (Previously Added) The system of claim ~~103~~⁴⁸ wherein the pulse mode control can initiate a burst of output ozone.

⁵¹
~~106~~. (Previously Added) The system of claim ~~104~~³⁰ wherein the pulse mode control can initiate a burst of output ozone.

²⁸
~~107~~. (Previously Added) The system of claim ~~60~~²⁷ including said user control that can do at least one of (1) cause the system to be energized, (2) control a duty cycle of the ion generating unit, (3) control a pulse mode operation.

³⁰
~~108~~. (Previously Added) The system of claim 60 including said user control that can (1) cause the system to be energized, (2) control a duty cycle of the ion generating unit, (3) control a pulse mode operation.



²⁹
~~109~~. (Previously Added) The system of claim ~~107~~²⁸ wherein the pulse mode control can initiate a burst of output ozone.

³¹
~~110~~. (Previously Added) The system of claim ~~108~~³⁰ wherein the pulse mode control can initiate a burst of output ozone.

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~~111~~. (Previously Added) The system of claim ~~66~~³⁵ including a user control that can do at least one of (1) cause the system to be energized, (2) control a duty cycle of the ion generating unit, (3) control a pulse mode operation.

⁶⁰
~~112~~. (Previously Added) The system of claim ~~66~~⁵⁵ including user controls that can (1) cause the system to be energized, (2) control a duty cycle of the ion generating unit, (3) control a pulse mode operation.

⁵⁹
~~113~~. (Previously Added) The system of claim ~~111~~⁵⁸ wherein the pulse mode control can initiate a burst of output ozone.

⁶¹
~~114~~. (Previously Added) The system of claim ~~112~~⁶⁰ wherein the pulse mode control can initiate a burst of output ozone.

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69
~~115~~

67

(Previously Added) The system of claim ~~88~~ including said user control that can do at least one of (1) cause the system to be energized, (2) control a duty cycle of the ion generating unit, (3) control a pulse mode operation.

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~~116~~. (Previously Added) The system of claim ~~88~~ including said user control that can (1) cause the system to be energized, (2) control a duty cycle of the ion generating unit, (3) control a pulse mode operation.

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~~117~~. (Previously Added) The system of claim ~~115~~ wherein the pulse mode control can initiate a burst of output ozone.

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~~118~~. (Previously Added) The system of claim ~~116~~ wherein the pulse mode control can initiate a burst of output ozone.

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